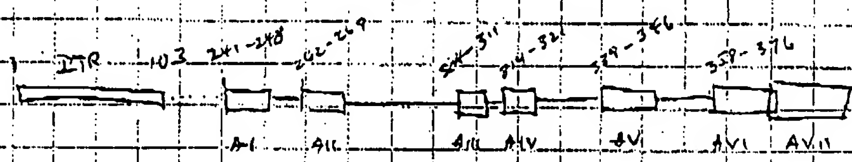
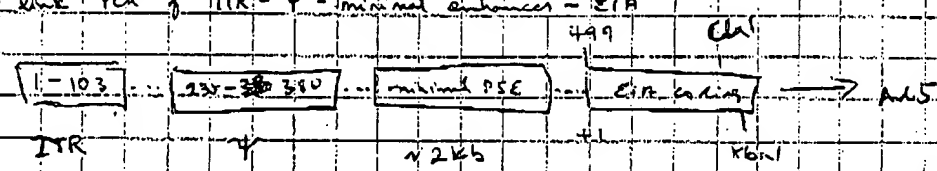
In designing the prostate-specific Ad 5 (Ad5 PSE) it did likely work c— E1A enhancer and the Ψ signal (packaging). There are 6 A-rich sequences for Ψ and they can be moved to the left up against the ITR on left end of the genome



probably element I of enhancer at 198–205 can be deleted

∴ link PCR of ITR – Ψ – minimal enhancer – E1A



drops out of Ad 5 235 − 103 = 132

490 − 380 = 110

but adds back ~2kb, assuming 2.0 kb for minimal PSE

∴ total add 1.8 kb

Do this by PCR replacing wt in pXC1

~~pAB~~ or

pBHG11 drops ~3kb i.e. ΔE3

3.0 − 1.8 = 1.2 to use for recall, safety, or containment

also 5% overpackage size (0.05) × 35 kb = 1750 b

∴ absolute max = 1.2 + 1.7 kb = 2.9

∴ use a smaller enhancer for HSV-tk or cytosine deaminase

This should be minimal PSE or elements responsive to E1A

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Witnessed & Understood by me,	Date	Invented by	Date
[signature]		D. Henderson	
		Recorded by	

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Did minis 12 ea of plate 8, 12, 16 ligation 15-85.
What should they be cut with?

1-12 from plate 8: KpnI or ClaI

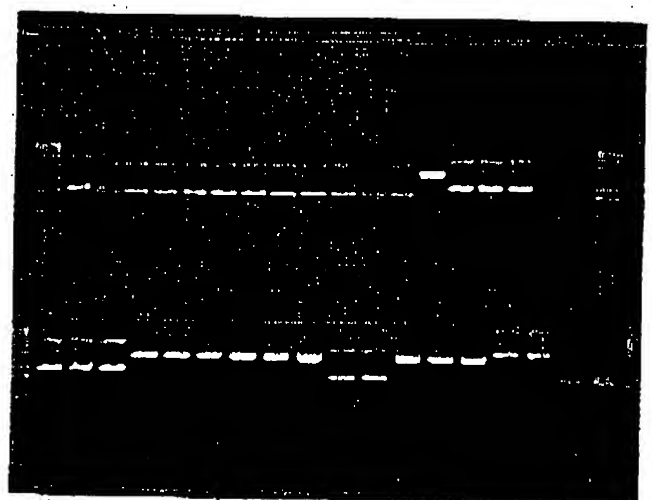
13-24 from plate 12: ClaI

25-36 from plate 16: ClaI

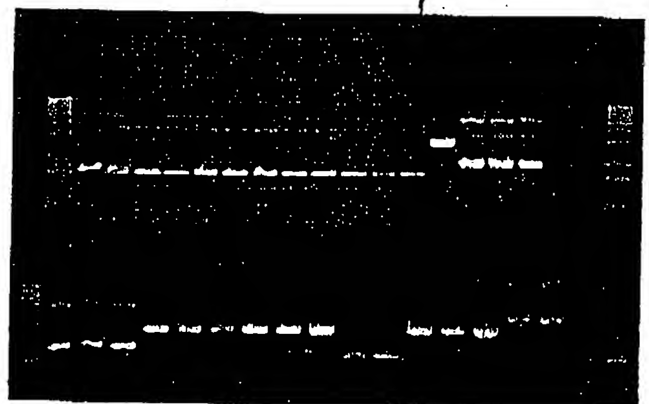
all w/ ClaI

use 4 µl DNA

1-12 | 12-18



19 - 24|25 ——— 36



Kits from Microbix came in. So did 293 passage 25 except no dry ice. Everything was warm.

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Invented by

Recorded by [signature]

Date